

FORM PTO-1449 U.S. Department of Commerce
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L8612.04121

SERIAL NO.

10/849,257

INFORMATION DISCLOSURE
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(Use several sheets if necessary)

APPLICANT

Hiroshi SHIBATA, et al.

FILING DATE

May 20, 2004

GROUP

Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JDS	6 4 9 6 4 6 6	12/2002	Lee et al			
JDS	5 5 1 5 3 4 8	05/1996	Ohsato			
JDS	5 5 1 3 1 5 8	04/1996	Ohsato			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
2001 3 4 9 9 3	02/2001	Japan			
5 1 2 7 0 6 7	05/1993	Japan			Abstract
7 3 1 1 3 0 5	11/1995	Japan			Abstract
1 0 1 0 4 5 9	01/1998	Japan			Abstract
5 1 4 4 0 5 6	06/1993	Japan			Abstract
5 3 3 3 2 7 4	12/1993	Japan			Abstract

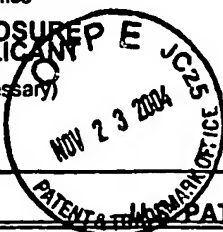
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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JDS	6 0 4 3 9 2 5	03/2000	RYU, et al.			
JDS	5 9 3 6 7 5 7	08/1999	KIM, et al.			
JDS	6 4 9 6 4 6 6 B1	12/2002	LEE, et al.			

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JDS	0 8 3 1 3 5 2 A1	03/1998	EP			
JDS	0 0 5 5 6 6 6	09/2000	WO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JDS	International Search Report dated September 1, 2004

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